



*TJW*

PTO/SB/21 (02-04)

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/700,855
Filing Date	November 4, 2003
First Named Inventor	Bengt LINDOFF et al.
Art Unit	2664
Examiner Name	Unassigned
Attorney Docket Number	0119-171

Total Number of Pages in This Submission

### ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks Also enclosed:	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	7 of 8 documents cited in IDS	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Kenneth B. Leffler Registration No. 36,075
Signature	<i>Kenneth B. Leffler</i>
Date	September 8, 2006

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Kenneth B. Leffler		
Signature	<i>Kenneth B. Leffler</i>	Date	September 8, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

Bengt LINDOFF et al.

Application No.: 10/700,855

Filed: November 4, 2003

For: INTERFERENCE ESTIMATION IN  
CDMA SYSTEMS USING ALTERNATIVE  
SCRAMBLING CODES



) Group Art Unit: 2664

) Examiner: Unassigned

) Confirmation No.: 6321

**SECOND INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, Applicant hereby submits the following information in conformance with 37 C.F.R. §§1.97 and 1.98. Pursuant to 37 C.F.R. §1.98 and the waivers of September 21, 2004 and that specified in United States Patent and Trademark Office OG Notices of 05 August 2003, copies of only those documents that are not U.S. patents, not U.S. patent application publications, and not co-pending U.S. patent applications filed on or after June 30, 2003 are enclosed.

- PCT International Written Opinion, dated January 20, 2005, in connection with PCT International Application No. PCT/EP2004/012251;
- PCT International Search Report, dated January 20, 2005, in connection with PCT International Application No. PCT/EP2004/012251;
- European Patent Application No. EP 1176730 A1, published January 30, 2002;
- European Patent Application No. EP 1077551 A1, published February 21, 2001;
- U.S. Patent Application Publication No. US 2003/0156562 A1, published August 21, 2003;
- "Universal Mobile Telecommunications System (UMTS); Spreading and modulation (FDD)", 3GPP TS 25.213 version 5.3.0 Release 5, European Telecommunications Standards Institute 3<sup>rd</sup> Generation Partnership Project, 2003, FRANCE;

- YOON, AU-Young-Shin et al., "TI-Adaptive SIR estimation in WCDMA systems", CONF-Vehicular Technology Conference. IEEE 55<sup>th</sup> Vehicular Technology Conference. VTC Spring 2002 (Cat. No. 02CH37367), Vehicular Technology Conference. IEEE 55<sup>th</sup> Vehicular Technology Conference. VTC Spring 2002, Birmingham, AL, USA, 6-9 May 2002.
- WANG, Au-Li-Chun et al., "TI-A near real-time signal to interference ratio measurement technique in a frequency-selective multipath fading channel for the SCDMA system", CONF-IEEE 54<sup>th</sup> Vehicular Technology Conference. VTC Fall 2001. Proceedings (Cat. No. 01CH37211), IEEE 54<sup>th</sup> Vehicular Technology Conference. VTC Fall 2001. Proceedings, Atlantic City, NJ, USA, 7-11 Oct. 2001;

This information is being submitted within 3 months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later, therefore no fee or statement is required under 37 C.F.R. §1.97(b).

To assist the Examiner, the documents are listed on the attached form PTO/SB/08. It is requested that an Examiner-initialed copy of these forms be returned to the undersigned.

Respectfully submitted,  
Potomac Patent Group PLLC

Date: September 8, 2006

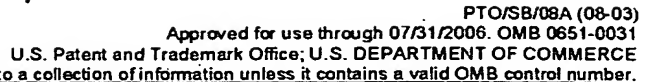
By: Kenneth B. Leffler  
Kenneth B. Leffler  
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SEPTEMBER 8, 2006

Kenneth B. Leffler  
Kenneth B. Leffler, Reg. No. 36,075



Substitute for form 1449/PTO

**(Use as many sheets as necessary)**

Sheet	1	of	2
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Application Number	10/700,855
Filing Date	November 4, 2003
First Named Inventor	Bengt LINDOFF et al.
Art Unit	2634
Examiner Name	Unassigned
Attorney Docket Number	0119-171

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		EP 1176730 A1	01-30-2002	Motorola, Inc.		
		EP 1077551 A1	02-21-2001	Matsushita Electric Industrial Co., Ltd.		

**Examiner  
Signature**

Date	
Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/700,855
Filing Date	November 4, 2003
First Named Inventor	Bengt LINDOFF et al.
Art Unit	2664
Examiner Name	Unassigned
Attorney Docket Number	0119-171

Sheet 2 of 2

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		PCT International Written Opinion, dated January 20, 2005, in connection with PCT International Application No. PCT/EP2004/012251	
		PCT International Search Report, dated January 20, 2005, in connection with PCT International Application No. PCT/EP2004/012251	
		"Universal Mobile Telecommunications System (UMTS); Spreading and modulation (FDD)", 3GPP TS 25.213 version 5.3.0 Release 5, European Telecommunications Standards Institute 3 <sup>rd</sup> Generation Partnership Project, 2003, FRANCE	
		YOON, AU-Young-Shin et al., "TI-Adaptive SIR estimation in WCDMA systems", CONF-Vehicular Technology Conference. IEEE 55 <sup>th</sup> Vehicular Technology Conference. VTC Spring 2002 (Cat. No. 02CH37367), Vehicular Technology Conference. IEEE 55 <sup>th</sup> Vehicular Technology Conference. VTC Spring 2002, Birmingham, AL, USA, 6-9 May 2002	
		WANG, Au-Li-Chun et al., "TI-A near real-time signal to interference ratio measurement technique in a frequency-selective multipath fading channel for the SCDMA system", CONF-IEEE 54 <sup>th</sup> Vehicular Technology Conference. VTC Fall 2001. Proceedings (Cat. No. 01CH37211), IEEE 54 <sup>th</sup> Vehicular Technology Conference. VTC Fall 2001. Proceedings, Atlantic City, NJ, USA, 7-11 Oct. 2001	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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